RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/536,664_
Source: _PCT_
Date Processed by STIC: _6/7/05_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

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Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER _10/536,664_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics / **Wrapped Aminos** — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length — The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 _____ Non-ASCII — The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 _____ Variable Length — Sequence(s) ____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 _____ Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 _____ Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10 _____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa — "n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>

AMC – Biotechnology Systems Branch – 09/09/2003

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PCT

```
RAW SEQUENCE LISTING                    DATE: 06/07/2005
PATENT APPLICATION:  US/10/536,664      TIME: 11:14:24

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         Output Set: N:\CRF4\06072005\J536664.raw

      3  <110> APPLICANT: Imperial College Innovations
      5  <120> TITLE OF INVENTION: Control of Apoptosis
      7  <130> FILE REFERENCE: ICOY/P29703PC
C-->  9  <140> CURRENT APPLICATION NUMBER: US/10/536,664
C-->  9  <141> CURRENT FILING DATE: 2005-05-27
      9  <160> NUMBER OF SEQ ID NOS: 19
     11  <170> SOFTWARE: PatentIn version 3.1
     13  <210> SEQ ID NO: 1
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     15  <212> TYPE: PRT
     16  <213> ORGANISM: Artificial
     18  <220> FEATURE:
     19  <223> OTHER INFORMATION: Derivative of SAP18
     21  <220> FEATURE:
     22  <221> NAME/KEY: MISC_FEATURE
     23  <222> LOCATION: (1)..(3)
     24  <223> OTHER INFORMATION: A linker amino acid sequence
     27  <400> SEQUENCE: 1
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     30   1               5                  10                 15
     33  Lys Glu Pro Glu Lys Pro Ile Asp Arg Glu Lys Thr Cys Pro Leu Leu
     34           20                  25                 30
     37  Leu Arg Val Phe
     38           35
     41  <210> SEQ ID NO: 2
     42  <211> LENGTH: 32
     43  <212> TYPE: PRT
     44  <213> ORGANISM: Artificial
     46  <220> FEATURE:
     47  <223> OTHER INFORMATION: Derivative of MAD1
     49  <220> FEATURE:
     50  <221> NAME/KEY: MISC_FEATURE
     51  <222> LOCATION: (1)..(3)
     52  <223> OTHER INFORMATION: A linker amino acid sequence
     55  <400> SEQUENCE: 2
W-->  57  Xaa Xaa Xaa Met Asn Ile Gln Met Leu Leu Glu Ala Ala Asp Tyr Leu
     58   1               5                  10                 15
     61  Glu Arg Arg Glu Arg Glu Ala Glu His Gly Tyr Ala Ser Met Leu Pro
     62           20                  25                 30
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     66  <211> LENGTH: 10
     67  <212> TYPE: PRT
     68  <213> ORGANISM: Artificial
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(handwritten annotations:) = Invalid response

pls explain "Xaa" locations.

Does Not Comply Corrected Diskette Needed (pg. 1-2)

Pls see item #13 on error summary sheet.

= Invalid response

pls explain "Xaa" locations.

FYI: "Xaa" can only represent a single amino acid.

Page 2

```
<210>  10
<211>  22
<212>  DNA
<213>  Artificial

<220>
<223>  BclP TFO

<400>  10
gggtgtgggg tutgtgtgtg gt                                            22
```

Pls explain source of genetic material.

What is this?

↑ See item # 11 on error summary sheet.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/536,664

DATE: 06/07/2005
TIME: 11:14:24

Input Set : D:\20050701-SEQ.txt
Output Set: N:\CRF4\06072005\J536664.raw

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71  <223> OTHER INFORMATION: NLS peptide sequence
73  <400> SEQUENCE: 3
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76  1               5                   10
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80  <211> LENGTH: 16
81  <212> TYPE: PRT
82  <213> ORGANISM: Artificial
84  <220> FEATURE:
85  <223> OTHER INFORMATION: Antennapedia homeodomain based penetratins
87  <400> SEQUENCE: 4
89  Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
90  1               5                   10                  15
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101 <220> FEATURE:
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104 <223> OTHER INFORMATION: Cys-acetamidomethyl
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W-->
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116 <213> ORGANISM: Homo sapiens
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123 ccccgttgc ttttcctctg ggaaggatgg cgcacgctgg gagaacgggg tacgacaacc    180
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393 acactcaccg agaaccgcgt cctgcagaac tccaggcacc ccttcctcac agccctgaag    840
395 tactctttcc agacccacga ccgcctctgc tttgtcatgg agtacgccaa cgggggcgag    900
397 ctgttcttcc acctgtcccg ggaacgtgtg ttctccgagg accgggcccg cttctatggc    960
399 gctgagattg tgtcagccct ggactacctg cactcggaga agaacgtggt gtaccgggac   1020
401 ctcaagctgg agaacctcat gctggacaag gacgggcaca ttaagatcac agacttcggg   1080
403 ctgtgcaagg aggggatcaa ggacggtgcc accatgaaga ccttttgcgg cacacctgag   1140
405 tacctggccc ccgaggtgct ggaggacaat gactacggcc gtgcagtgga ctggtggggg   1200
407 ctgggcgtgg tcatgtacga gatgatgtgc ggtcgcctgc ccttctacaa ccaggaccat   1260
409 gagaagcttt ttgagctcat cctcatggag gagatccgct tcccgcgcac gcttggtccc   1320
411 gaggccaagt ccttgctttc agggctgctc aagaaggacc ccaagcagag gcttggcggg   1380
413 ggctccgagg acgccaagga gatcatgcag catcgcttct ttgccggtat cgtgtggcag   1440
415 cacgtgtacg agaagaagct cagcccaccc ttcaagcccc aggtcacgtc ggagactgac   1500
417 accaggtatt ttgatgagga gttcacggcc cagatgatca ccatcacacc acctgaccaa   1560
419 gatgacagca tggagtgtgt ggacagcgag cgcaggcccc acttcccca gttctcctac   1620
421 tcggccagca gcacggcctg ·aggcggcggt ggactgcgct ggacgatagc ttggagggat   1680
423 ggagaggcgg cctcgtgcca tgatctgtat ttaatggttt ttatttctcg ggtgcatttg   1740
425 agagaagcca cgctgtcctc tcgagcccag atggaaagac gtttttgtgc tgtgggcagc   1800
427 accctccccc gcagcggggt agggaagaaa actatcctgc gggtttttaat, ttatttcatc   1860
429 cagtttgttc tccgggtgtg gcctcagccc tcagaacaat ccgattcacg tagggaaatg   1920
431 ttaaggactt ctacagctat gcgcaatgtg gcattggggg gccgggcagg tcctgcccat   1980
433 gtgtcccctc actctgtcag ccagccgccc tgggctgtct gtcaccagct atctgtcatc   2040
435 tctctggggc cctgggcctc agttcaacct ggtggcacca gatgcaacct cactatggta   2100
437 tgctggccag caccctctcc tggggtggc aggcacacag cagccccca gcactaaggc   2160
439 cgtgtctctg aggacgtcat cggaggctgg gccctggga tgggaccagg gatggggat   2220
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/07/2005
PATENT APPLICATION: **US/10/536,664**   TIME: 11:14:25

Input Set : **D:\20050701-SEQ.txt**
Output Set: **N:\CRF4\06072005\J536664.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3
Seq#:2; Xaa Pos. 1,2,3
Seq#:5; Xaa Pos. 1

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,10,11,12,13,14,15,16,17,18,19

VERIFICATION SUMMARY DATE: 06/07/2005
PATENT APPLICATION: **US/10/536,664** TIME: 11:14:25

Input Set : **D:\20050701-SEQ.txt**
Output Set: **N:\CRF4\06072005\J536664.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0